

ABSTRACT OF THE DISCLOSURE

5 An image observation apparatus is constructed to project image information displayed on an image display device for displaying the image information, onto a retina of an observing eye by a display optical system, thereby permitting an observer to observe the image information, and to perform control to change a position of an incident beam onto the entrance pupil plane of the observing eye. The apparatus is arranged to detect the position of the observer's pupil and change the position of the incident beam onto the entrance pupil plane of the observing eye, based on the result of the detection. The image display device is configured to display a plurality of parallax images, the position of the exit pupil of the display optical system is substantially aligned with the position of the entrance pupil of the observing eye, the exit pupil of the display optical system is spatially divided into a plurality of regions, parallax images corresponding to the respective regions are incident on the observing eye, and a plurality of parallax images are injected into the single eye of the observer. An area of a region in the outermost periphery out of the plurality of regions in the divided exit pupil is set greater than those of the regions except for that in the outermost periphery.